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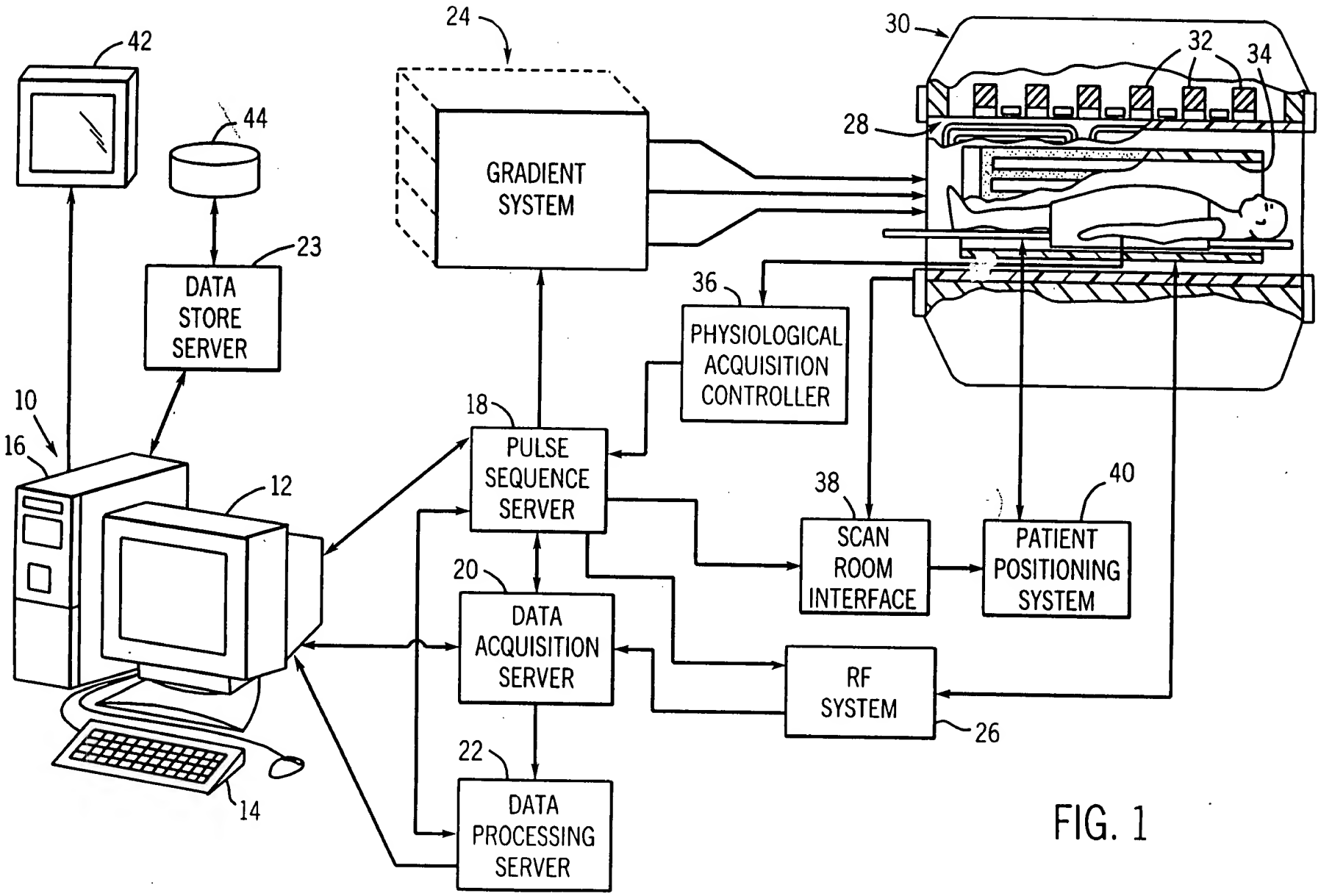
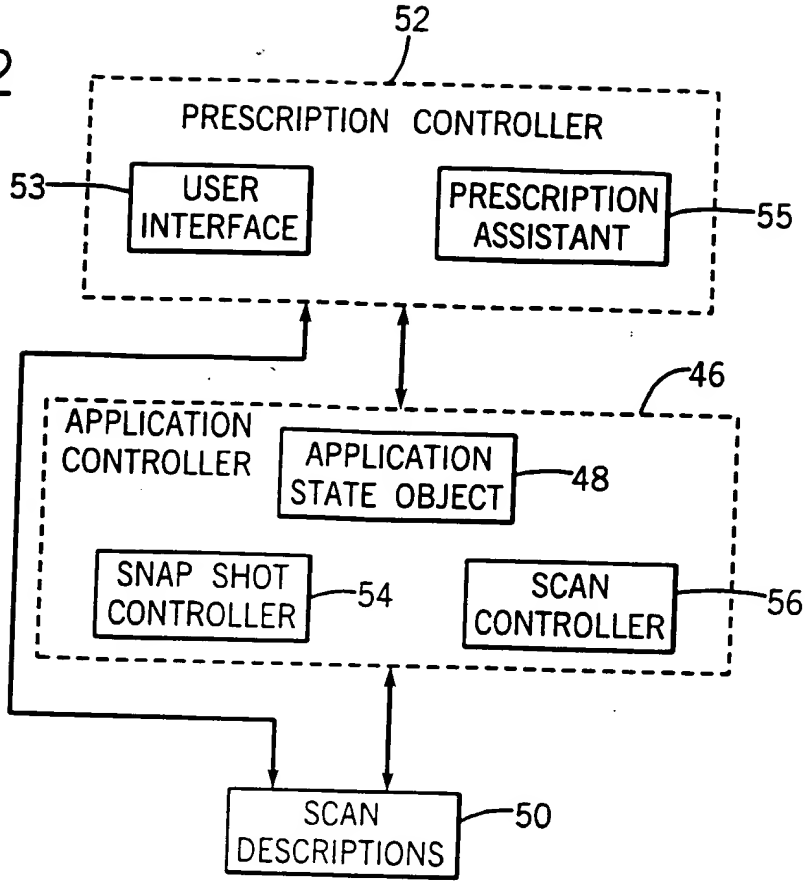


FIG. 1

FIG. 2


52
PRESCRIPTION CONTROLLER
53
USER INTERFACE
PRESCRIPTION ASSISTANT
55
46
APPLICATION CONTROLLER
APPLICATION STATE OBJECT
48
SNAP SHOT CONTROLLER
54
SCAN CONTROLLER
56
SCAN DESCRIPTIONS
50

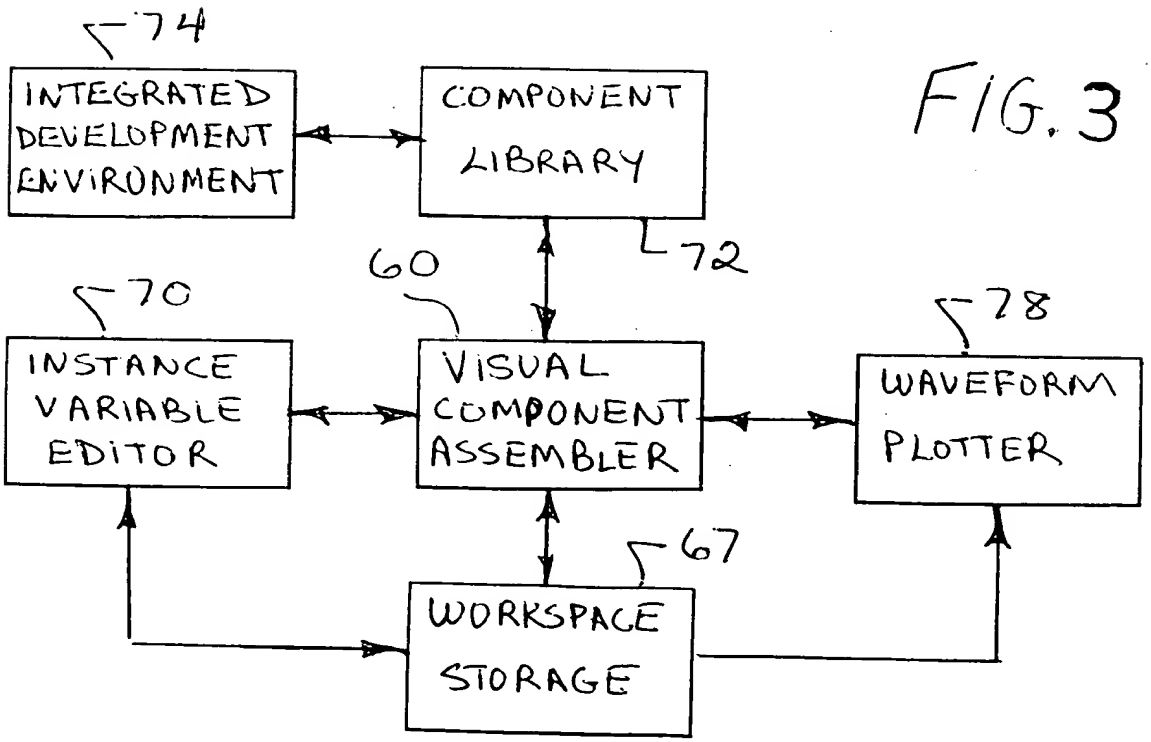

74
INTEGRATED DEVELOPMENT ENVIRONMENT
COMPONENT LIBRARY
72
60
70
INSTANCE VARIABLE EDITOR
VISUAL COMPONENT ASSEMBLER
78
WAVEFORM PLOTTER
67
WORKSPACE STORAGE

FIG. 3

0022TT*EE2T2260

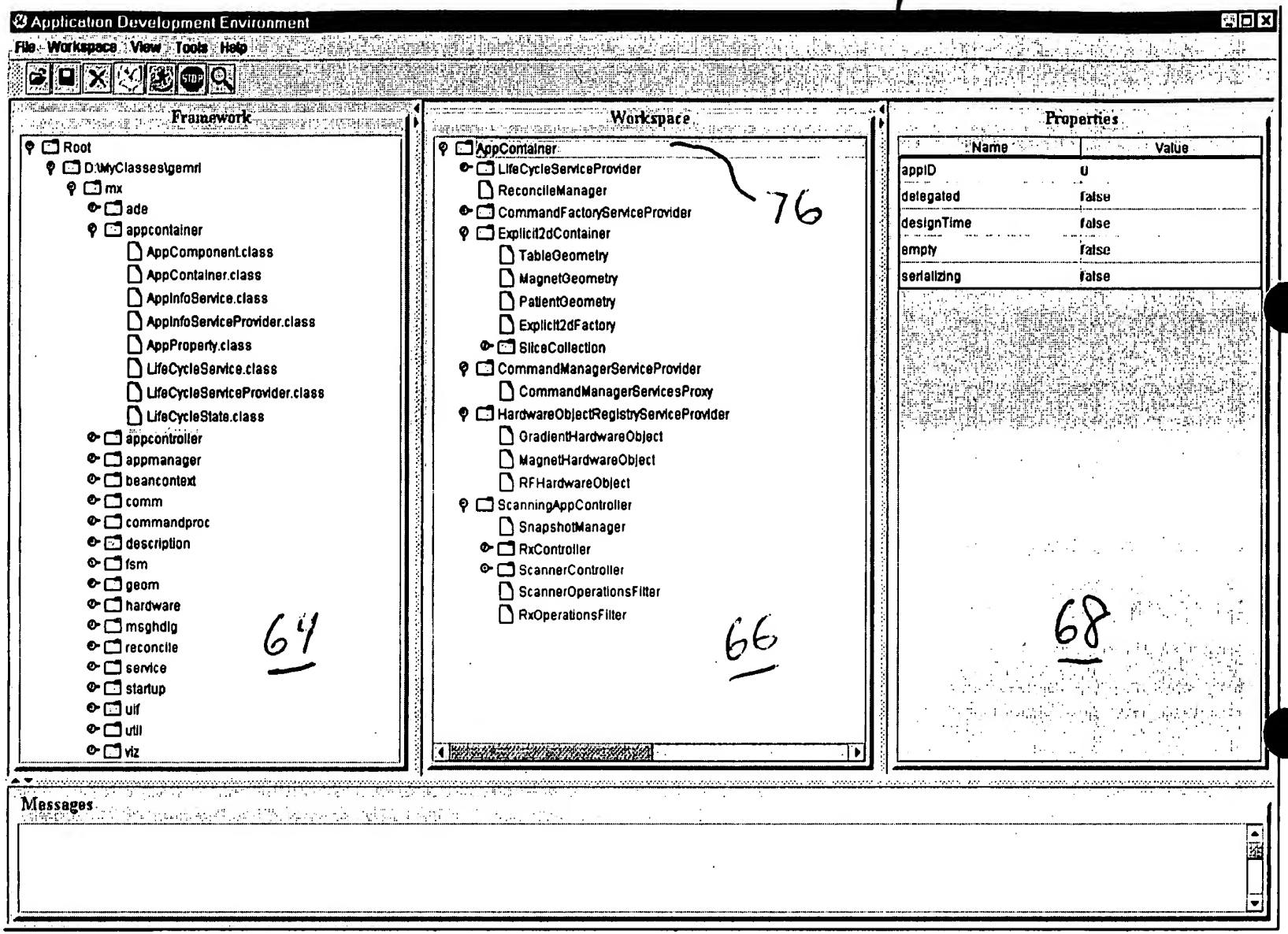
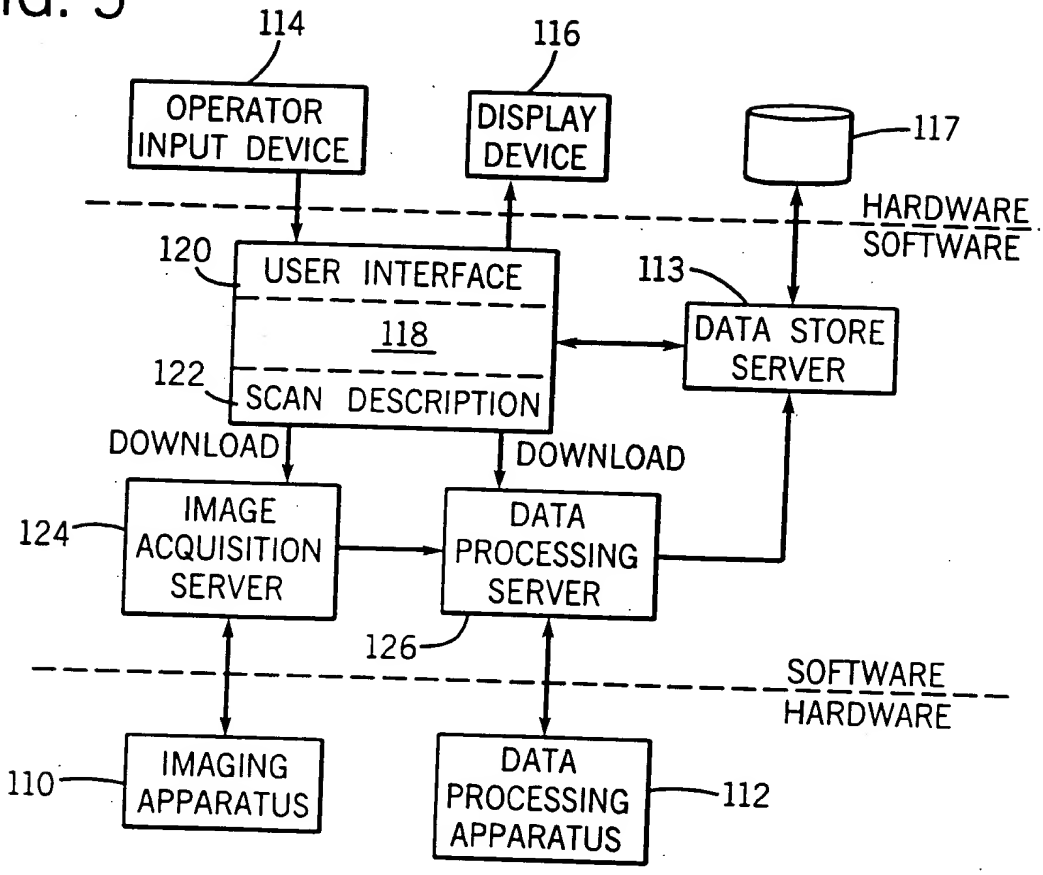


FIG. 4

FIG. 5


114
OPERATOR INPUT DEVICE
116
DISPLAY DEVICE
117
HARDWARE
SOFTWARE
120
USER INTERFACE
118
122
SCAN DESCRIPTION
113
DATA STORE SERVER
DOWNLOAD
DOWNLOAD
124
IMAGE ACQUISITION SERVER
DATA PROCESSING SERVER
126
SOFTWARE
HARDWARE
110
IMAGING APPARATUS
DATA PROCESSING APPARATUS
112

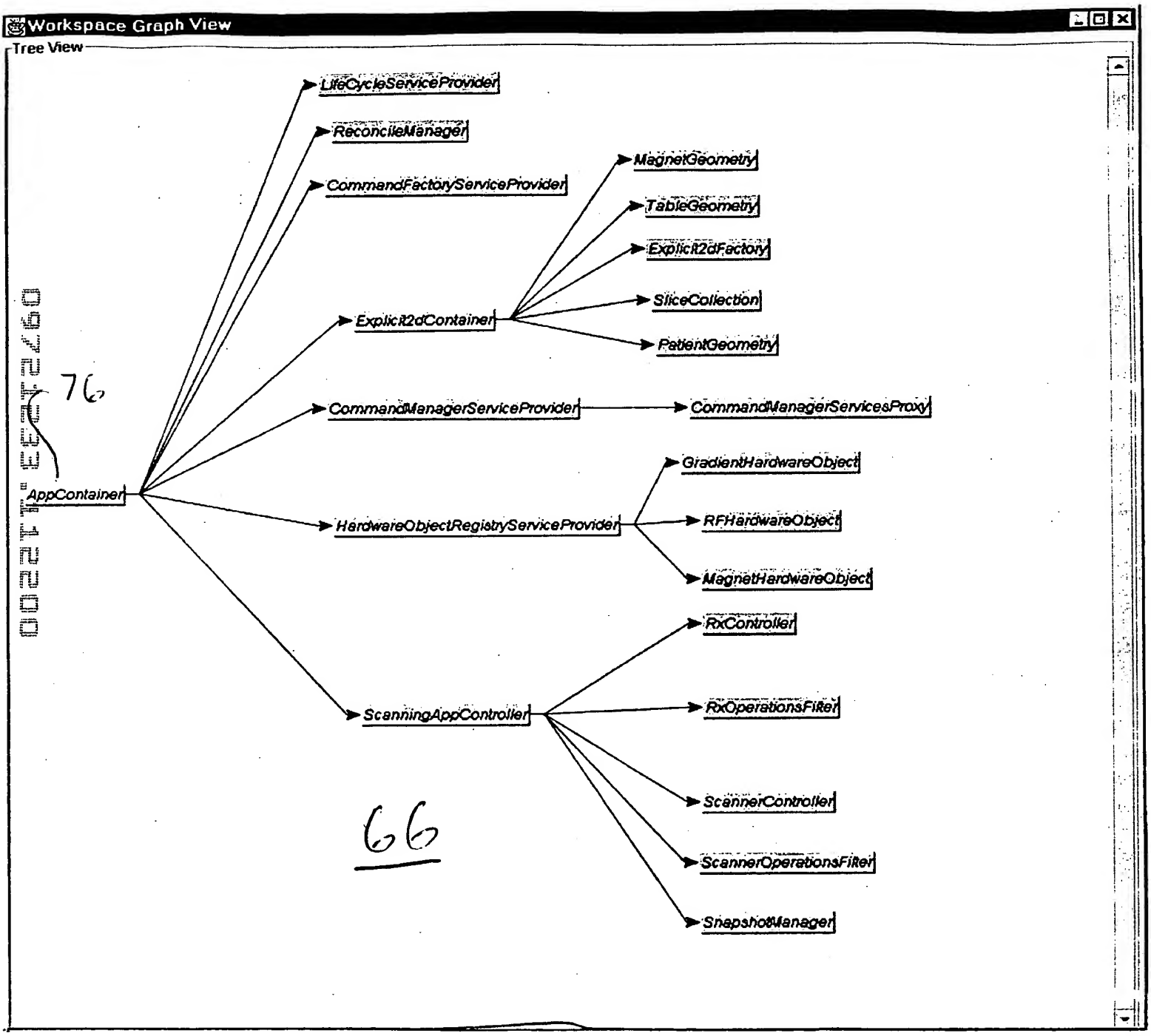

Workspace Graph View
Tree View
LifeCycleServiceProvider
ReconcileManager
CommandFactoryServiceProvider
MagnetGeometry
TableGeometry
Explicit2dFactory
SliceCollection
PatientGeometry
Explicit2dContainer
CommandManagerServiceProvider
CommandManagerServicesProxy
AppContainer
GradientHardwareObject
RFHardwareObject
MagnetHardwareObject
HardwareObjectRegistryServiceProvider
RxController
RxOperationsFilter
ScannerController
ScannerOperationsFilter
SnapshotManager
ScanningAppController
76
66

FIG. 6

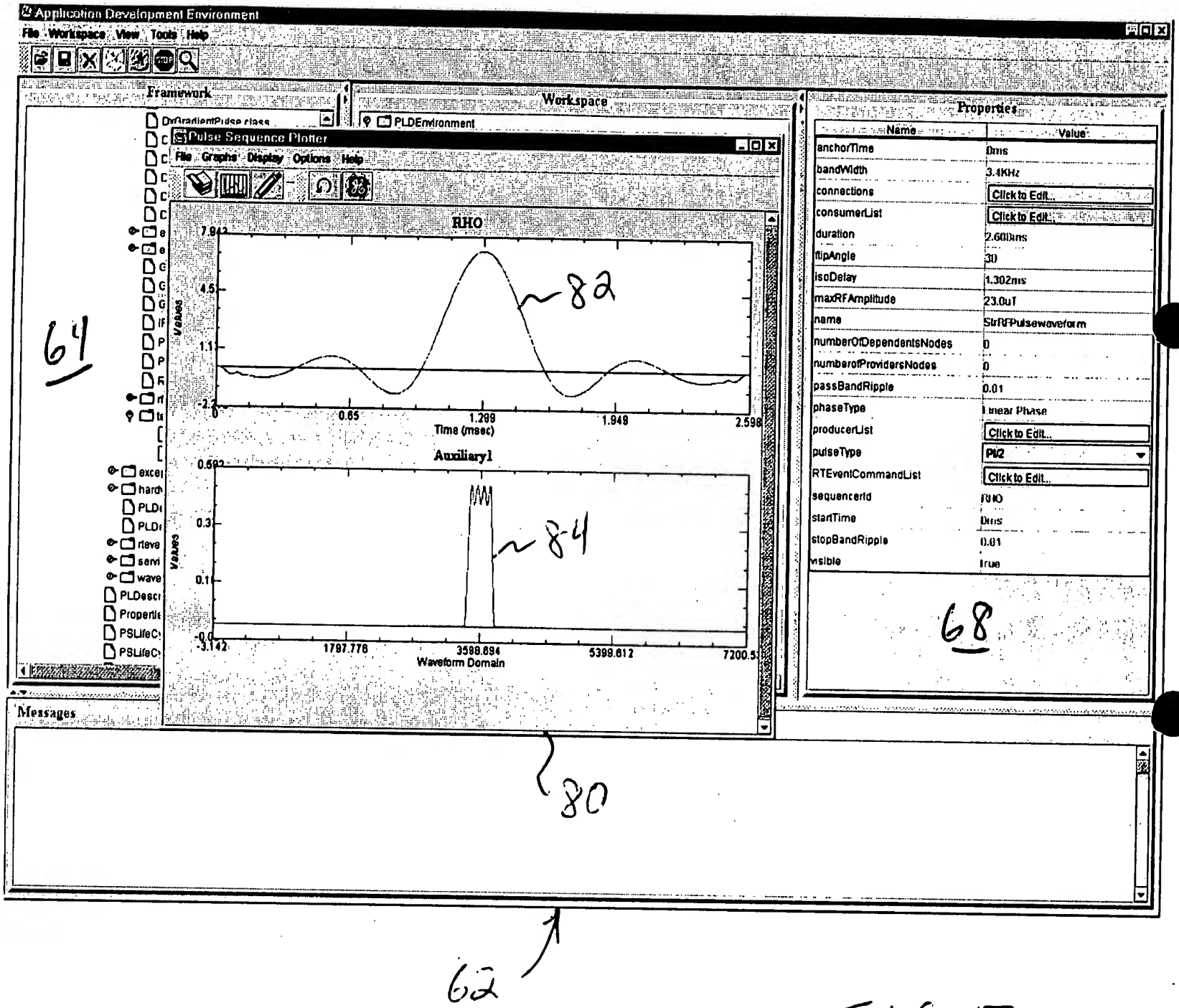

Application Development Environment
File Workspace View Tools Help
Framework
Workspace
PLDEnvironment
Pulse Sequence Plotter
File Graphs Display Options Help
RHO
Values
Time (msec)
Auxiliary1
Waveform Domain
Properties
Name
Value
anchorTime
bandWidth
connections
consumerList
duration
flipAngle
isoDelay
maxRFAmplitude
name
numberOfDependentsNodes
numberofProvidersNodes
passBandRipple
phaseType
producerList
pulseType
RTEventCommandList
sequenceId
startTime
stopBandRipple
visible
Messages
64
82
84
68
80
62

FIG. 7

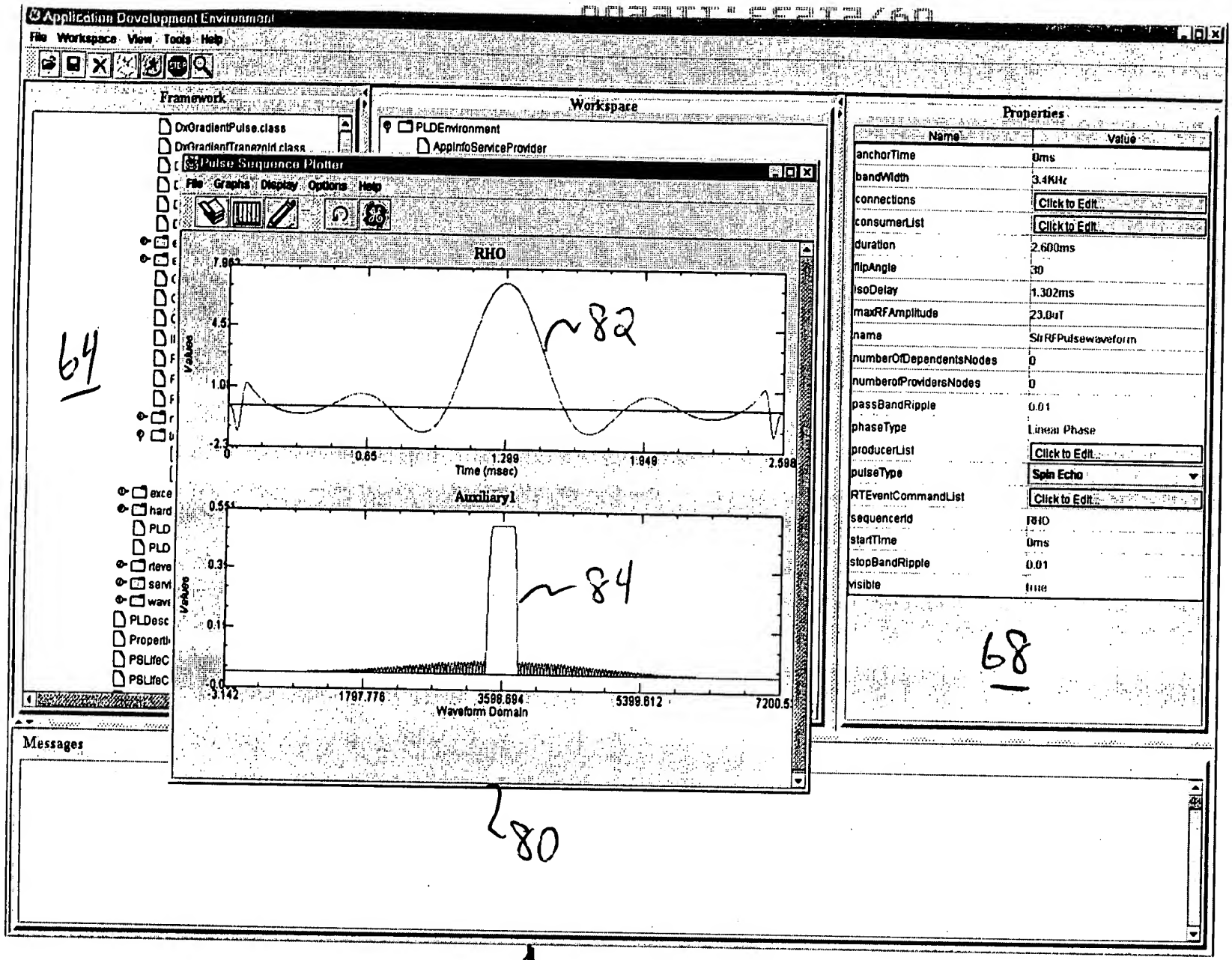

Application Development Environment
File Workspace View Tools Help
Framework
DxGradientPulse.class
Workspace
PLDEnvironment
AppInfoServiceProvider
Pulse Sequence Plotter
File Graphs Display Options Help
RHO
Values
Time (msec)
Auxiliary1
Waveform Domain
Properties
Name
Value
anchorTime 0ms
bandWidth 3.4KHz
connections Click to Edit
consumerList Click to Edit
duration 2.600ms
flipAngle 30
isoDelay 1.302ms
maxRFAmplitude 23.0uT
name SincRFPulsewaveform
numberOfDependentsNodes 0
numberofProvidersNodes 0
passBandRipple 0.01
phaseType Linear Phase
producerList Click to Edit
pulseType Spin Echo
RTEventCommandList Click to Edit
sequenceId RHO
startTime 0ms
stopBandRipple 0.01
visible true
Messages
64
82
84
68
80
62

FIG. 8